

MVIT NEWS LETTER

Biannual Issue

For Private Circulation Only

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Nov.- 2020

Greetings from

Manakula Vinayagar Institute of Technology, Puducherry



Inauguration of Train Lab academy – Center of Excellence on 22nd February 2020



MANAKULA VINAYAGAR
INSTITUTE OF TECHNOLOGY

(Accredited by NBA and Affiliated to Pondicherry University)



(A Unit of Sri Manakula Vinayagar Group of Educational Institutions)

Kalitheerthalkuppam, Puducherry - 605107, Ph:0413-2643007, Fax: 2643008.

website : www.mvit.edu.in, email : contactus@mvit.edu.in

Educate ~ Empower ~ Excel

INTRODUCTION

It is an immense pleasure and proud that we are releasing the Sixteenth Issue of our College Newsletter. This Newsletter serves as a better forum and platform for showcasing the talents and achievements of both faculty and students. It carries the recent activities, news and important updates of the college. We assure you that this newsletter will be new of its kind which reveals the growth of the institution in various fields.

ABOUT THE INSTITUTION

Manakula Vinayagar Institute of Technology (MVIT) was established in 2008, with a view to provide quality technical education to young aspirants. The Institution is affiliated to Pondicherry Central University and is approved by AICTE, New Delhi.

Our College is professionally managed and guided by the members of the Board of Management with vast experience, knowledge and academic excellence, with a vision to achieve the most preferred position globally.

The high performance of our Institution is witnessed by the results produced by our students in the University exams. Our Institution has acquired enviable status for maintaining highest order of discipline.

MVIT is revitalizing itself, to face the challenging expertise with reputed team of faculty. We facilitate to produce efficient Professionals who can meet the demands of the expectations and shine in their profession through innovative ideas, knowledge and team work.

CHAIRMAN'S MESSAGE



I am extremely happy in releasing Sixteenth Issue of half-yearly Newsletter of MVIT, highlighting the activities of the college between June 2020 and November 2020. The laudable exercise of the students and staff of this Institution has already brought gorgeous brand name in the UT of Puducherry. I congratulate the staff and students for this achievement. I wish that everyone continue their untiring efforts not only to retain this award but to grow to further high standards. I congratulate all the editorial members for releasing this Newsletter.

VICE CHAIRMAN'S MESSAGE



I am delighted to know that the Sixteenth Issue of Newsletter of our College carrying the campus news and the achievements of our staff and students, who earn credits for the institution, is being released. On this gracious occasion, I wish all the best to those who are responsible for bringing out this letter. On reading this text, it would definitely be an inspiration and motivation for other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all the contributors.

SECRETARY'S MESSAGE



It gives me an immense pleasure to present few words as prologue to Sixteenth Issue of MVIT News Letter. I congratulate all the faculty and students and the editorial board for bringing out such a beautiful Issue. Empowerment of students for their all round development through education is our appreciated motto.

Today Higher Education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent, the future leadership.

I am proud of being the Secretary of SMVE Trust dedicated to the causes of better India. Come on let's give our best and make the institution as a modern temple of learning through our diligence, devotion and dedication. Wishing you all the best...!

PRINCIPAL'S MESSAGE



MVIT has been setup to create an attraction in imparting higher education in Puducherry. The Institute is enthusiastic for discovery, development, conservation, propagation and application of knowledge in the wide range of fields with a goal to expand the scale and scope of human understanding and contribute to the betterment of the world. Imparting quality education and developing indepth domain knowledge through competent, highly qualified faculty churned from various sources along with state of art infrastructure to make its wards competent, technically strong in any scenario, dynamic and multi-talented young professionals matching the contemporary demands of the industry and thereby making them useful in the development of the country. In this context, I congratulate all the Editorial Members who are involved in bringing out the Sixteenth Issue of this Newsletter successfully. "Vision without action is a Dream. Action without Vision is simply passing the time. Action with Vision is making a positive difference."

I am much pleased in releasing this issue of Biannual News Letter. Keeping in mind, augmentation of practical knowledge and better employability of the students, the institution shows keen interest in organizing various development programmes for faculty and students. I wish, every student passing out from our college has rich blend of knowledge and skill and occupies better position in the society.

I am fully confident that the college will march ahead and add more achievements to its name. I would like to send my best wishes to the entire stakeholders for showing commendable performance and give good account of themselves in worthwhile endeavors.

FOUNDER'S EIGHTH REMEMBRANCE DAY



The Eighth Remembrance Day of our Founder Chairman Shri. N. Kesavan, was commemorated on 6th September 2020. In this occasion, the events such as blood donation camp, scholarship distributions to the eligible students, E- Literacy programme

in the nearby school, Distribution of foods to the Citizen Homage in Pondicherry and Sapling of Tree Plantation were organized.



Blood Donation Camp during Founder's Remembrance Day

DEPARTMENT OF GENERAL ENGINEERING

Department Activities

Dr.S.Sivaramakrishnan, Assoc.Prof., Mathematics, conducted National level online Statistical Quiz Competition on account of Statistical Day on 1st July 2020. Around thousand faculty members and students from various colleges participated in the event.

One week Online Certification Course was conducted for the students admitted in First year on the topic "Basics of Python programming" by Mr.P.Sathiyarayan, Asst. Prof., CSE from 31st August to 5th September 2020.

One week Online Certification Course was conducted for the First year Engineering students on the topic "Mobile app development" by Dr.D.Saraswathi, Assoc.Prof.,/ ECE from 7th to 11th September 2020.

One week Online Certification Course was conducted for the First year Engineering students on the topic "Introduction to Photoshop and illustrator", hands on training by Dr.N.Palanivel, Assoc.Prof.,/ CSE from 14th to 18th September 2020.

One week Online Certification Courses were conducted for the First year Engineering students on the topic "Artificial Intelligence – Introduction and Application" by Dr.B.LakshmiPriya, Assoc. Prof.,/ ECE from 21st to 25th September 2020.

One week Online Certification Courses were conducted for the First year Engineering students on the topic "Electrical and Electronic Gadgets working principle and Design", by Mr.D.Balaji, Asst. Prof., / EEE from 28th September to 1st October 2020.

Staff Activities

Dr.K.Narayanan, Assistant Professor / Chemistry has attended five days online National Level Webinar on "NAAC Assessment and Accreditation" conducted by Kishinchand Chellaram College, Mumbai from 21st to 25th April 2020.

Ms.M.Sumithra, Assoc.Prof.,/ Physics has attended 14 days online refresher course on "Recent Trends in Information, Computing Communication & Teaching Methodology Competency" conducted by Sri Sai Ram Engineering College, Chennai from 4th to 17th May 2020.

Awareness Rally Programme on “Save electricity”, “Water conservation” and “Deforestation” carried out in the near by villages by the First students on 5th and 6th September 2019.

An Awareness program on “Teenage Psychology” by Dr.Kumar, Psychiatrist - SMVMCH was conducted for all the students on 12th September 2019

“Sahaja Yoga Meditation & Music Programme” by Sahaja Yoga was conducted for all the First year students on 19th September 2019.

Ms.K.Elamozihi, Asst. Prof., / Maths has attended five days online FDP on “Research Funding Projects” conducted by K.C.College of Engineering and Management Studies, Thane from 9th to 13th May 2020.

Ms.M.Sumithra, Assoc. Prof., / Physics has attended five days FDP on “Outcome Based Education, A step towards Excellence” conducted by Government college of Engineering, Karad from 11th to 15th May 2020.

Mr.R.Balaji, Asst. Prof., / Chemistry has attended one week National Level FDP on “Innovation to Academician” conducted by Ramachandra College of Engineering, Andhra Pradesh from 11th to 16th May 2020.

Mr.K.Anand, Asst. Prof., / Physics has attended five days FDP on “Novel Materials and its Industrial Application” conducted by Karpagam College of Engineering, Coimbatore from 13th to 18th May 2020.

Ms.D.Shanthini, Asst. Prof., / Mathematics has attended five days FDP on “Online Learning Pedagogy and Effective Use of Case Methodology” conducted by ASM & ASMA's, Pune from 17th to 21st May 2020.

Ms.D.Shanthini, Asst. Prof., / Mathematics has attended five days FDP on “Emerging Effective Digital Tools for Teaching Pedagogy” conducted by Gnanamani College of Technology, Namakal from 25th to 29th May 2020.

Dr.S.Sivaramakrishnan, Assoc. Prof., / Mathematics has attended one week FDP on “Mathematical Modelling in Multidisciplinary Domain” conducted by Bannari Amman Institute of Technology, Sathayamangalam from 1st to 7th June 2020.

Ms.S.Aruljothi, Asst. Prof., / Mathematics and Mr.R. Balaji, Assistant Professor/ Chemistry has attended one week FDP on “Effective Online Teaching Methods” conducted by Dr.N.G.P. Institute of Technology, Coimbatore from 8th to 14th June 2020.

Ms.D.Shanthini, Asst. Prof., / Mathematics has attended six Days FDP on “Heat Transfer and Computational Fluid Dynamics Towards Industrial Applications” conducted by Sri Sai Ram Institute of Technology, Chennai from on 12th to 18th June 2020.

Ms.D.Shanthini, Asst. Prof., / Mathematics has attended five days International FDP on “Importance Mathematics in Science and Technology” conducted by GMR Institute of Technology, Andhra Pradesh from 25th to 29th June 2020.

Dr.S.Sivaramakrishnan Assoc. Prof., and Ms. S. Aruljothi, Assistant Professor of Mathematics Department has presented paper entitled, “Interval-valued anti fuzzy linear space” in IEEE-ICSCAN 2020 conference, at MVIT, Puducherry on 3rd and 4th July 2020.

Ms.M.Sumithra, Assoc. Prof., / Physics has presented the papers entitled “Preparation, Characterization, Magnetic and Electrical Conductivity Studies of NiFe₂O₄ Nanofibers” and “Structural and Impedance Studies of Nanocrystalline LiCoO₂ Particle” in IEEE-ICSCAN 2020 conference, conducted by MVIT, Puducherry on 3rd and 4th July 2020.

Dr.K.Narayanan, Asst. Prof., / Chemistry has presented the paper entitled “Synthesis, spectral characterization and antimicrobial evaluation of some novel N-allyl-2,6-diarylpiperidone O-allyl oximes” in IEEE-ICSCAN 2020 conference, conducted by MVIT, Puducherry on 3rd and 4th July 2020.

Dr.H.Rosi, Asst. Prof., / Chemistry has presented the papers entitled “Synthesis of Cerium Oxide Nanoparticles Using Marine Algae Sargassum Wightii Greville Extract: Implications for Antioxidant Applications” in IEEE-ICSCAN 2020 conference, conducted by MVIT, Puducherry on 3rd and 4th July 2020.

Mr.K.Devanathan, Asst. Prof., / Mathematics has participated one week online FDP on “Being a Super Teacher” conducted by Bannari Amman Institute of Technology, Coimbatore from 6th to 12th July 2020.

Dr.S.Sivaramakrishnan, Assoc. Prof., / Mathematics has attended FDP on “Applications of Mathematics”, conducted by Karunya University, Coimbatore from 20th to 24th July 2020.

Mr.K.Devanathan, Asst. Prof., / Mathematics has participated five days National Level FDP on “Tools for Online Teaching, Learning and Evaluation” conducted by RBVRR Women's college, Hyderabad from 20th to 24th July 2020.

Ms.S.Aruljothi and Mr. K.Devanathan, Assistant Professor of Mathematics Department have attended five days FDP on “Application of Mathematics in Engineering and Technology” conducted by KPR Institute of Engineering and Technology, Coimbatore from 27th to 31st July 2020.

Dr.S.Sivaramakrishnan, Assoc. Prof., / Mathematics and Mr.K.Devanathan, Assistant Professor / Mathematics has participated in six days online Workshop on “Effective Remote Teaching & Learning : Tools and Techniques” conducted by Pondicherry University, Puducherry from 27th July to 1st August 2020.

Dr.S.Sivaramakrishnan, Assoc. Prof., / Mathematics acted as resource person in the National Level Webinar on “Recent Trends in Mathematics” organized by PG & Research Department of Mathematics, A.V.V.M Sri Pushpham College (Autonomous), Poondi, Thanjavur on 3rd August 2020.

Dr.H.Rosi, Assistant Professor / Chemistry has attended one week AICTE sponsored short term training programme on "3D Printing Merges with Nanomaterials in Medical Application" conducted by Guru Nanak Institute of Technology, from 3rd to 8th August 2020.

The Faculty members of Mathematics Department participated in one week online Certification Course on "Digital Teaching Techniques" organized by ICT Academy, from 17th to 24th August 2020.

Ms.M.Sumithra, Associate Professor / Physics has attended 5 days AICTE Training and Learning (ATAL) Academy FDP on "Photonics" from 28th September to 2nd October 2020.

DEPARTMENT OF MECHANICAL ENGINEERING

Department Activities

The Department filed and Published 13 patents in the academic year 2020 – 21. The details are furnished as follow

Dr. B. Radjaram, Prof. & Head, published the patent "Modernization Of Tire Replacement in Car using Pneumatic Jack" on 7th August 2020.

Dr. P. Sivasankaran, Assoc. Prof., published the patent "Investigation on Waste Plastic to Fuel by Pyrolysis Process" on 17th July 2020.

Mr. K. Selvam, Asst. Prof., published the following patents as listed below

"Modernization of Water pumping system using Hydraulic turbine" on 7th August 2020.

"Modernization of Lathe Tail stock using Pneumatic power source" on 7th August 2020.

Mr. A. Thiagarajan, Asst. Prof., published the patent "Fabrication of Peltier air conditioning of vehicles" on 31st July 2020.

Mr. M. Thirunavukarasu, Asst. Prof., published the following patents as listed below :

"Design and Fabrication of multipurpose machine for Agricultural operations" on July, 3rd 2020.

"Waste heat recovery from home using Peltier module" on 31st July 2020.

Mr. R. Karthikeyan, Asst. Prof., published the following patents as listed below :

"Design and Fabrication of Oxy-hydrogen gas welding by chemical reaction method" on 24th July 2020.

"Design and Fabrication of Oxy-hydrogen gas welding by chemical reaction method" on 31st July 2020.

"Design and Fabrication of Hover Craft using propeller thrust force" on 7th August 2020.

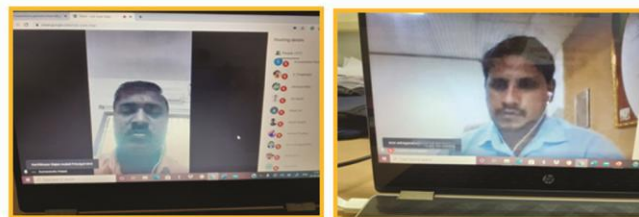
Mr. S. Ganesh Kumar, Asst. Prof., published the following patents as listed below :

"Fabrication of Natural composite material with epoxy resin as matrix and corn fiber, chicken feather" on 7th August 2020.

"Experimentation and Optimization of Mono cylinder Hydraulic shock absorber using RSM and Taguchi met" on August, 7th 2020.

Ms. R. Viji, Asst. Prof., published the patent "Multi Slope Solar still with PCM and with and without Fresnel lens" on August, 7th 2020.

A Guest Lecture was organized on the topic "Introduction to Industrial Robots & IIOT, by Mr. R. Prasanna, Asst. Manager, Training School, Fanuc India, Bangalore 1st October 2020.



The Department organized a Workshop on "Engineering Technology & Management" by Mr. K. Palani, Manager for Safety & Environment, Ashok Leyland, Chennai and Mr. R. Mariappan, Process Planning Head, LUCAS TVS, Puducherry was the resource person for the the Workshop on "Cellular Manufacturing".

The Department in association with NIQR puducherry Chapter enabled the students to attend Virtual Convention on the Theme "Robust Quality for Survival & Growth" organized by National Institution for Quality & Reliability (NIQR), Chennai 5th September, 2020 a Webinar on "Monozukuri & Hitozukuri" by Shri K R Mohan Ananthanarayanan, Retd. Head Quality Division Mechanical VSSC, Vice Chairman NIQR Trivandrum Branch on 16th September 2020

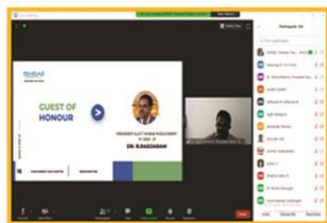
Dr. B. Radjaram, Prof. & Head., Mechanical Engineering & President Elect Puducherry ISHRAE Subchapter acted as a Guest Of Honor during the Celebration of "ENGINEER'S DAY" organized by ISHRAE Puducherry Subchapter and addressed key notes on "Outcome Based Learning of Engineering", "Engineers Certainty Principle", Givers Gain" & Tech Curiosity" on September 15th 2020,.

Dr. B. Radjaram, Professor and Head, Mechanical Engineering & Honorary Secretary, IEIPSC acted as a Guest of Honor on "ENGINEER'S DAY" celebrated by NIT Puducherry, Karaikal through ONLINE on September 15th 2020.



Dr. B. Radjaram, Prof. & Head, & President of Puducherry ISHRAE Sub Chapter was nominated as Guest Of Honor for "WORLD OZONE DAY CELEBRATION" and delivered a special lecture on the topic "Ozone for Life: 35 Year of Ozone Layer Protection" on September 16th 2020

The Institution of Engineers, Puducherry MIT Students Chapter of the Department organized "53rd Engineer's Day Celebration" on September 15th 2020 in commemoration of 160th Birth Anniversary of Sir Mokshagundam Visvesvaraya on the theme "Engineers for a Self – Reliant India".



Er. R. Mananathan, Chairman Manatec India Pvt Ltd, was the Chief Guest and the event in association with IEI PSC was specially organized for the staff & students of MVIT.

The Department in association with ISHRAE Puducherry and IEI PSC Subchapter celebrated "WORLD HABITAT DAY" on the theme of "Housing for All – A Better Urban Future" on 10th October 2020.

Staff Activities

The Faculty members have participated in 218 Online CERTIFICATION COURSES, 174 Online FDPs & 635 Online WEBINARS during the month of April, May and June 2020.

Dr. B. Radjaram, Prof. & Head, was appointed as Technical Advisory Committee Member of PUDUCHERRY SMART CITY DEVELOPMENT LIMITED, Puducherry.

Dr. B. Radjaram, Prof & Head. Dr. P. Sivasankaran, Assoc. Prof., & Mr. K. Karthigayan Asst. Prof., presented a paper on "Maximizing Machine Capacity by Improving Efficiency Using Linear Programming Model" in International Journal of Recent Technology & Engineering in the month of September 2020.

Dr. P. Sivasankaran, Assco. Prof., presented a paper on "Study & Analysis Of Micro Level Examination Of Robot Arm Using Simulation For Improving The Path Motion Of Arm With Reduced Time And DOF" in INTERNATIONAL JOURNAL OF NEW INNOVATION IN ENGINEERING &

Mr. M. Thirunavukarasu, Asst. Prof., presented a paper on "Study on Effectiveness of Thermoelectric Generators for Waste Heat Recovery from Boiled Rice Water" in MAT Journals in the month of August 2020.

Dr. P. Sivasankaran, Assoc. Prof., & Mr. K. Karthigayan, Asst. Prof., presented a paper on "Simulation of Robot Kinematic Motions Using Collision Mapping Planner Using Robo DK Solver" in International Journal of Innovative Technology & Exploring Engineering on September 2020.

Dr. B. Radjaram & Dr. P. Sivasankaran, have shared their experiences on "Cobot Technology" & "Optimization of Scheduling Problems in Industrial Applications" on 28th September & 10th October 2020 respectively.

Mr. R. Karthikeyan, Mr. B. Vasanth, Mr. R. Ranjit Kumar, Mr. M. Thirunavukarasu & Mr. J. Sugumaran, Asst. Profs., participated in AICTE Training & Learning Academy (ATAL) FDP on "Mechanics of Composite Materials & Supports" by AICTE.

Mr. R. Karthikeyan, Mr. M. Thirunavukarasu & Mr. R. Ranjit Kumar Asst. Prof., participated in AICTE Training & Learning Academy (ATAL) FDP on "Solar Energy Technology & Applications" by AICTE.

Mr. K. Karthigayan, Mr. B. Vasanth, Mr. J. Sugumaran, Asst. Prof., participated in AICTE Training & Learning Academy (ATAL) FDP on "Novel Materials" by AICTE.

Mr. A. Thiagarajan, Mr. S. Ganesh Kumar, Mr. E. Suresh & Mr. K. Selvam, Asst. Prof., participated in AICTE Training & Learning Academy (ATAL) FDPs on "Green Energy & Sustainability" by AICTE.

Mr. S. Ganesh Kumar, Mr. E. Suresh & Mr. K. Selvam, Asst. Prof., participated in AICTE Training & Learning Academy (ATAL) FDP on "Alternate Fuels" by AICTE.

Ms. R. Viji & Mrs. S. Suganya, Asst. Prof., participated in AICTE Training & Learning Academy (ATAL) FDP on "Internet of Things" by AICTE.

Mr. A. Thiagarajan, Asst. Prof., participated in AICTE Training & Learning Academy (ATAL) FDP on "Computational Fluid Dynamics" by AICTE.

Mr. K. Karthigayan, Asst. Prof., participated in AICTE Training & Learning Academy (ATAL) FDP on "Recent Advances in Materials & Manufacturing" by AICTE.

A CSI Sponsored Guest Lecture for Third year Students on "Recent Advancements in Artificial Intelligence" by Prof. Dr. Persis Urbana Ivy, Sri Krishna College of Engineering and Technology, Coimbatore on 15th July 2020.

A CSI sponsored One day workshop for Third year Students on "Embedded IoT using Python" conducted by Mr. Senthil Kumar, SLN Technologies Pvt Ltd, Chennai on 19th July 2020.

Student Activities

The seventh batch of students have participated in Kritagya Agri Tech Hackathon, a platform to showcase and recognize an innovative and disruptive farm mechanization solution to promote “Women Friendly Farm Machinery & Equipment” by IGARC , Govt. of India.

The Students have participated in “53rd Engineer’s Day Celebration” conducted by The Institution of Engineers, Puducherry State Centre on 15th September 2020 in commemoration of 160th Birth Anniversary of Sir Mokshagundam Visvesvaraya on the theme “Engineers for a Self – Reliant India”.

Students have participated in a Virtual Seminar on “Energy Management” organized by Social Entrepreneurship; SWACHHTA & Rural Engagement Cell of our college on 30th September 2020. This programme was delivered by Mr. G. Deepak Kumar, Independent Consultant – Sustainability, Chennai.

Students have participated in “Observance of 21st World Sight Day 2020” by Dr. P. Nallamuthu, Professor & Head – Ophthalmology, SMVMCH, Puducherry, organized on 8th October 2020.

Students have participated in a Webinar “Glimpses of UAV & its Applications” by AIROS SPACE on 9th September 2020.

Students have attended a one day Workshop on “Design of Thumbnails & Logos” organised by Shree Sai Engineering solutions on 11th October 2020.

Students have attended a programme “be the CHANGE” presents by YI Puducherry on the divine occasion of Gandhi Jayanthi by Mr. Rahul Alwal, IPS & Mr. Sraddalu Ranade, Scientist, Educator & Scholar on 2nd October 2020.

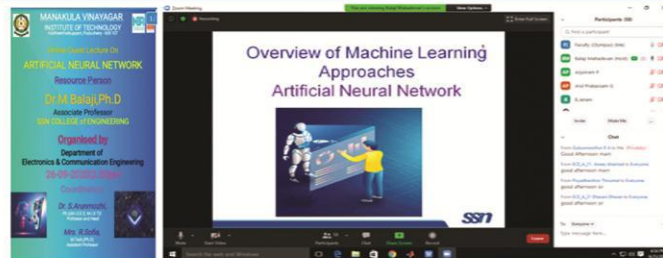
Anugrah.A of Third Year applied for ATAL Incubation Center-PEC Facility product development fund and selected as top 25 among 75 projects applied to it. Further, AIC-PECF, CEO ensured continuous support for his project based on drone.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Department Activities



Third International IEEE Conference ICSCAN 2020 was conducted on 3rd and 4th July 2020.



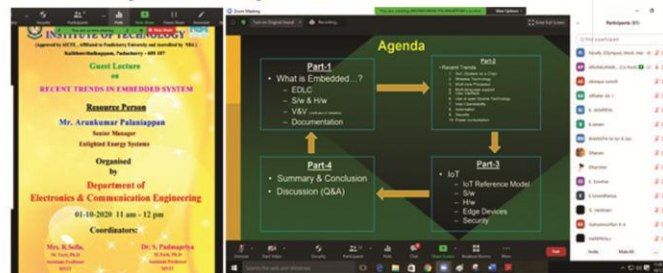
Dr.M.Balaji, Assoc. Prof., SSN College of Engineering, Chennai has delivered a guest lecture on “Artificial Neural Networks” on 26th September 2020.



Col.K.S.Chakravarthi, Former IETE Chairman, Chennai Center, delivered a Guest Lecture on “Industry 4.0” on 28th September 2020.



Ms.M.Asha, Senior Design Engineer, Altran Technologies India Pvt. Ltd., Bangalore delivered a Guest Lecture on “Aspiring a Career in VLSI Industry” on 30th September 2020



Mr. P.L. Arunkumar, Senior Manager Hardware Engineering Chennai, Enlighted Inc.,-Siemens Company delivered a Guest Lecture on “Recent Trends in Embedded Systems” on 1st October 2020.

Dr.B.Lakshmi priya, Assoc. Prof., Dr.D.Saraswathi, Assoc. Prof., Dr.S.Vinoth, Dr.R.Sofia, Mr.K.Kumaran, and Mr.M.Sivaraj, Asst.Profs submitted 19 papers out of which, 10 papers have been published in various SCI indexed and Scopus Indexed journals.

Staff Activities

Dr.R.Valli, Prof & Head, Research and Development & Dr.S. Arunmozhi, Prof. & Head/ ECE coordinated IEEE Student Branch sponsored Three Days FDP on “Art of Writing Research Articles and Funding Proposals” from 21st May 2020 to 23rd May 2020 and also conducted an online course on “Online Teaching” for school teachers from 11th to 15th May 2020.

Dr.S.Arunmozhi, Prof. & Head has conducted a workshop on "Online Teaching" to the faculty of Sri Manakula Vinayagar Nursing College on 22nd and 23rd May 2020.

Dr.D.Saraswathi, Assoc. Prof.. conducted an online course on "Mobile App Development" for twelfth standard students from 04th to 08th May 2020.

Dr.B.Lakshmi Priya, Assoc. Prof.. conducted an online course on "Artificial Intelligence – Introduction and Asst. Profs., plications" for twelfth standard students from 04th to 8th May 2020.

Dr.D.Saraswathi, Assoc. Prof.. and Dr.B.Lakshmi Priya, Assoc. Prof.. conducted a workshop on "Signal and Image Processing using MATLAB" for Third and Final year students from 14th to 19th June 2020.

Dr.B.Lakshmi Priya, Assoc. Prof.. delivered a session on "Deep learning for Visual Computing" as part of Webinar Series on "AI & ML Asst. Profs., plications in Image Processing Using Modern Tools" organized by MSRIT, Bangalore on 14th July 2020.

Dr.D.Saraswathi, Assoc. Prof.. delivered a session on "Introduction to YOLO Deep Neural Networks for Object Detection" as part of Webinar Series on "AI & ML Asst. Profs., plications in Image Processing Using Modern Tools" organized by MSRIT, Bangalore on 16th July 2020.

All faculty members attended one week FDP on "Digital Teaching Techniques" organized by ICT Academy during 17th to 24th August 2020.

Dr.D.Saraswathi, Assoc. Prof., conducted an Online Certificate Course on "Mobile Asst. Profs., Development" for the First year admitted students during 7th to 11th September 2020.

Dr.B.Lakshmi Priya, Assoc. Prof.. conducted an Online Certificate Course on "Artificial Intelligence – Introduction and Application" for the students admitted in First Year during 21st to 25th September 2020.

Dr.B.Lakshmi Priya, Assoc. Prof.. delivered a session on "TensorFlow" in the AICTE (training and Learning Academy (ATAL) FDP on "Recent Trends in Data Science and its Tools for Researchers" conducted by IFET College of Engineering, Villupuram on 29th September 2020.

Mr.V.Rajesh, Asst. Prof., and Mr.E.Ramassamy, Asst. Prof., . conducted a two Days Workshop on "Internet of Things (IoT) using CISCO Packet Tracer for interested students of Third Year.

Dr.S.Padmapriya, Asst; Prof., attended an AICTE Training and Learning (ATAL) Academy Online FDP on "Data Sciences" from 7th to 11th September 2020 organized by the University of Hyderabad.

Dr.D.Saraswathi and Dr.B.Lakshmi Priya attended a Virtual FDP on Fundamentals of AI organized by ICT Academy from 7th to 12th September 2020.

Dr.B.Lakshmi Priya, Assoc. Prof.. attended a AICTE Training and Learning (ATAL) Academy Online FDP on "Recent Trends and Asst. Profs., plications in Biomedical Signal and Image Processing" from 21st to 25th September 2020 organized by G. H. Raison College of Engineering, Nagpur.

Dr.D.Saraswathi, Assoc. Prof.. attended an AICTE Training and Learning (ATAL) Academy Online FDP on Recent Trends in Data Science and its Tools for Researchers conducted by IFET College of Engineering, Villupuram from 28th to 02nd October 2020.

Mr.V.Rajesh, Mr. Gowshameed .S, Asst. Prof. and Mr.Franklin, Asst. Prof. attended an AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence and Machine Learning Asst. Profs., plications in Biomedical Engineering" from 21st to 25th October 2020 at university BDT College of Engineering.

Mr.E.Ramassamy, Asst Prof., attended an AICTE Training And Learning (ATAL) Academy Online FDP on "Photonics" from 28th September 2020 to 02nd October 2020 organized by C.V.Raman Global University.

Mr.E.Ramassamy, Asst. Prof., attended One Week Hands – on FDP on "Artificial Intelligence using Python" organized by the department of CSE, Manakula Vinayagar Institute of Technology from 14th to 19 September 2020.

Students Activities

Mr. V.Kumar and Mr. E.Dinesh of 2020 passed out batch, presented a titled "Deep Learning based Intelligent Email Autoresponder" in AICTE sponsored National E-Conference on "Recent Advances in Smart System Automation, Computing and Communication" organized by IFET College of Engineering during 28th and 29th August 2020.

DEPARTMENT OF INFORMATION TECHNOLOGY

Department Activities



Our Department Second and Third year students Harshanaa.U.S, Ramsugumar, Amudha, Sivanesan, Priyadharshini.M, Aurobindh Sai have been Awarded Winner with cash award Rs.1,00,000/- in Smart India Hackathon'19 on 13th August 2020.

The Department organized Online Guest Lecture on "Systems Applications Products (SAP)" for Third and Final years on 8th August 2020.

The Department has organized the Online Guest Lecture on "Ethical Hacking and cyber Security" for IV year on 28th August 2020.

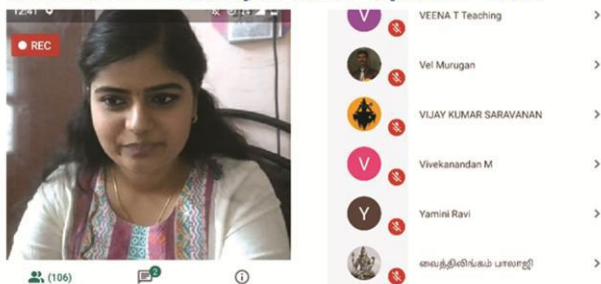
The Department has Organized the Online Guest Lecture on "Emotional Intelligence" for II year on 26th September 2020.

The Department has organized the one-week Online FDP on Arduino Application Development in association with Spoken Tutorial, IIT Bombay on 12th June 2020 – 17th June 2020.

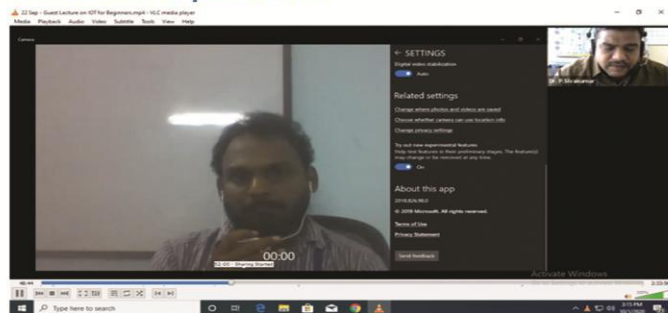
The Department has organized Online Quiz on LMS and ICT Tools in association with the Institution of Engineers (India) on 7th July 2020 to 11th July 2020.



The Department organized the Workshop on Cloud computing - iPASS for Third & Final year on 12th September 2020.



The Department Organized virtual Guest Lecture on "Data Warehousing in Business Intelligence" for the Third and Final year students on 28th September 2020



The Department organized Online Guest Lecture on "IoT for Beginners" for Third and Final years on 22nd September 2020

Staff Activities

Dr. P. Sivakumar, Prof. & Head, & Dr.A.Meiappane Assoc. Prof., have published the Patent on "Automation Box for Vending Machines (Application No: 202041034985 A)" on 28th August 2020

Mr.M.Suresh, Asst. Prof., has published paper titled "Automation of Employee Workload Management using Random Sample Partition Algorithm", in International Journal of Recent Technology and Engineering (IJRTE) (Scopus Indexed), ISSN: 2277-3878 (Online), Volume-8 Issue-6, March 2020. Page No.: 5282-5286 on March 2020.

Dr. P. Sivakumar, Prof. & Head, has Published Paper titled "Quasi Oppositional Cat Swarm Optimization Algorithm Based Geographic Routing in Vehicular ADHOC Networks" in Journal of Critical Reviews, ISSN- 2394-5125, Volume-7, Issue-13, on August 2020 (Scopus Indexed).

Dr.A.Meiappane, Assoc. Prof., has Published a Paper titled "Automatic Attendance Management System under Unconstrained Video using Face Recognition" in International Journal of Innovative Technology and Exploring Engineering (IJITEE) (Scopus Indexed), ISSN: 2278-3075, Volume-9, Issue-10th August 2020.

Dr. P.Sivakumar, Prof. & Head, has attended one-week Online-Faculty Development Program on "Trends In Ai And Machine Learning" organized by Dept. of Computer Application, North Orissa University on 16th-21st July 2020.

Dr.A.Meiappane, Assoc. Prof., has attended the STTP on "Deep learning & its Applications using TensorFlow & Keras", organized by R.M.K Engineering College New Delhi from 3rd to 8th August 2020.

A.Punitha, Asst. Prof., has attended the FDP on Digital Teaching Techniques, conducted by ICT Academy on 17th to 24th August 2020

J.Prabavathi, Asst. Prof., has attended the ATAL FDP on "Blended Learning and flipped classrooms" organized by SVNIT, Surat from 24th to 28th August 2020.

P.Mathivanan, Asst. Prof., has attended the AICTE STTP (Phase - I) on "Machine Learning and Its Applications To Big Data" organized by JIET, Jodhpur from 14th to 19th September 2020.

S.Uthayashnager, Asst. Prof., has attended FDP on Artificial Intelligence using Python at MVIT, Puducherry from 14th to 18th September 2020.

Mr.K.Vijayakumar and Mr.M.Suresh, Asst.Profs., have attended FDP on "Learning Management Systems" organized by ATAL, New Delhi on 21st to 25th September 2020.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Department Activities

Dr. K. Sedhuraman, Assoc. Prof., Mr.D.Balaji, Asst. Prof., conducted Special Summer Internship Online Certificate Course "Electrical and Electronic Gadgets - Working Principle and Design" for 12th Students from 27th April to 1st May 2020 and conducted same online certification course for First Year Students from 28th September to 1st October. 2020

Power system FSG group has conducted internal workshop titled "PLC AND SCADA for Industrial Automation" to Second, Third and Final year Students on 24th Sep. 2020.

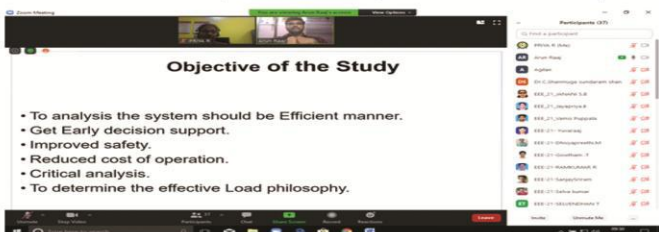
Mr.Pradeep Narayanan Rajagopal, Assistant Manager, Mando Hell Electronics, Bangalore, India has delivered a guest lecture on "Analysing and Testing of Automotive Systems" to Second, Third and Final year Students on 25th September 2020.



Mr.Yuvaraj,JSK lab Instruments, Chennai has delivered Guest lecture on "Role of FPGA Integration in Renewable Energy Systems" to Second, Third and Final year Students on 23rd September 2020



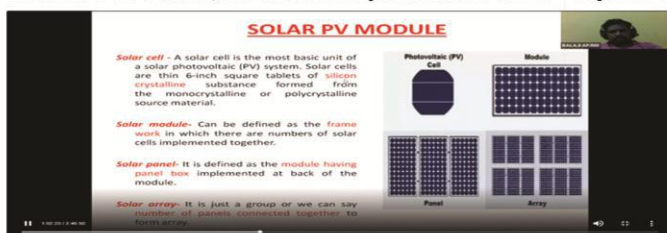
Er.A.Sivaraman, Assistant Executive Engineer delivered a Guest lecture titled - "Role of Electrical Engineer in Power Station and Opportunities in Power Plant" to Second, Third and Final year Students on 16th July 2020.



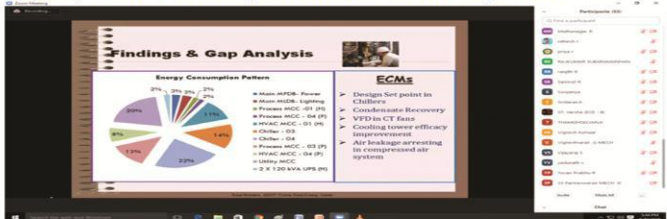
Mr.Arunraj,Industrialist has delivered a Guest lecture on "Power System Studies" to Second, Third and Final year Students on 19th Sep. 2020, organized by Power system FSG group.

Mr.ZovenaLakshmi.A, Quality Engineer, ARR KAY Control, Puducherry has delivered a guest lecture on "Green and Smart Home Automation" to Second, Third and Final year Students on 21st Sep. 2020.

Dr.G.Renuka Devi, Associate Professor/EEE has delivered special lecture on "Pathways of Renewable Energy Sources in CO₂ Reduction" to Second, Third and Final year Students on 23rd Sep. 2020



FSG-Electrical Drives and Control group has conducted one day internal workshop on "Basics of Solar Thermal and Solar-PV" to Second, Third and Final year Students on 26th Sep. 2020.

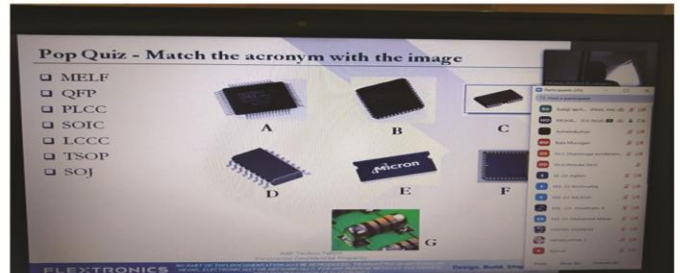


Social Entrepreneurship; SWACHHTA & Rural Engagement Cell has organized virtual seminar on "Energy Management", to Second, Third and Final year Students on 30th September 2020. Mr.G.Deepak Kumar, Independent Consultant - Sustainability, Chennai have engaged the session.

The Department has organized ISTE Sponsored National level Online Webinar on "Neural Networks Applications in Electrical Engineering" 29th May 2020, Dr. A. Venkadesan, Assistant Professor, Dept. of Electrical and Electronics Engineering, NIT Puducherry, Karaikal, Puducherry, India has delivered the keynote address.

The Department has organized guest lecture on "Power Electronics in Power System" to II, III and IV year Students on 24th Sep 2020. Dr.P. Saravana Prakash, Assistant Professor/EEE, Malaviya National Institute of Technology (MNIT), Jaipur, India has delivered the lecture.

The Department has conducted one day internal workshop on "An Introduction to MATLAB and Simulink" on 26th Sep. 2020.



D.Mohanaligam, CEO, MN Technologies, and Coimbatore has delivered the guest lecture titled - "Electronics Manufacturing Process" to Second, Third and Final year Students on 25th Sep. 2020.

Staff Activities

Dr.C.Shanmuga Sundaram, Prof. & Head, Dr. K. Sedhuraman, Assoc. Prof., Mr.S.Rajkumar, Asst. Prof., Mrs.R. Muthunagai, Asst. Prof., Mr.D. Muruganandhan, Asst. Prof. have attended one week FDP on "Renewable Energy Systems" Panimalar Institute of Technology, Poonamallee, Chennai, 08th to 12th June 2020.

Mrs.R. Muthunagai, Asst. Prof., Mr.D.Muruganandhan, Asst. Prof. have attended AICTE Training And Learning (ATAL) Academy Online FDP on "Solar Energy: Technologies and Applications" from 21st to 25th Sep. 2020 at Jyothi Engineering College.

Dr.C.Shanmuga Sundaram, Prof. & Head, Dr. K. Sedhuraman, Assoc. Prof. Mr.S.Rajkumar, Asst. Prof. Mrs.R. Muthunagai, Asst. Prof., Mr.D. Muruganandhan, Asst. Prof. have attended AICTE-STTP Phase-3 on "Challenges in Electric Vehicular Battery Charging & Grid Integration Issues" on 24th to 30th September 2020.

Dr.C.Shanmuga Sundaram, Prof. & Head, Dr. K. Sedhuraman, Assoc. Prof. Mr.S.Rajkumar, Asst. Prof. Mrs.R. Muthunagai, Asst. Prof. Mr.D. Muruganandhan, Asst. Prof. has attended seven days online FDP on "Research Challenges in Renewable Energy Technologies" organized by New Horizon College of Engineering, Bengaluru with IEEE NHCE Student Chapter from 14th to 20th Sep 2020.

Dr.C.Shanmuga Sundaram, Prof. & Head, Dr. K. Sedhuraman, Assoc. Prof. Mr.S.Rajkumar, Asst. Prof. Mrs.R. Muthunagai, Asst. Prof. Mr.D. Muruganandhan, Asst. Prof. has attended AICTE Sponsored Six days STTP on "Developing Research and Development Culture in Industry Institute Interaction Oriented Modern Teaching Learning and Project Based Learning" organized by Francis Xavier Engineering College from 14th Sep 2020 to 19th September 2020.

Dr.C.Shanmuga Sundaram, Prof. & Head, Dr. K. Sedhuraman, Assoc. Prof. Mr.S.Rajkumar, Asst. Prof. Mrs.R. Muthunagai, Asst. Prof., Mr.D. Muruganandhan, Asst. Prof. has attended Two Day National Level Online Faculty Development Programme on "Intellectual Property Rights And Patent Filing" held on 11th September 2020 and 12th September 2020 organized jointly by the Research and Development (R&D) Cell and National Innovation and Start-up Policy (NISIP) Cell, Mahatma Gandhi Institute of Technology, Hyderabad, Telangana.

Dr.C.ShanmugaSundaram,Prof. &Head,Dr. K. Sedhuraman, Assoc.Prof., Mr.S.Rajkumar, Asst. Prof., Mrs.R. Muthunagai, Asst. Prof., Mr.D.Muruganandhan, Asst. Prof., has attended Three days FDP on "Industry Academia Interactions: Bridging the Gap" by Sri ManakulaVinayagar Engineering College from 10th Sep. 2020 to 12th Sep. 2020.

Dr.C.ShanmugaSundaram,Prof. & Head has Participated in an Online Workshop on Rural Entrepreneurship Development(RED) Action Plan conducted on 24th Sep. 2020 by Mahatma Gandhi National Council of Rural Education, Hyderabad

Dr.C.ShanmugaSundaram,Prof.&Head, Dr. K. Sedhuraman, Assoc. Prof., Mr.S.Rajkumar,Asst. Prof., Mrs.R. Muthunagai, Asst. Prof., Mr.D.Muruganandhan, Asst. Prof., has attended AICTE Sponsored Six Days Online Short Term Training program on "Impact of Artificial Intelligence and Deep Learning on Internet of Things for Designing Smarter Products: A Hands-on Approach" from 19th to 24th October 2020 - Slot 1, Organized by Francis Xavier Engineering College, Tamil Nadu.

Dr.C.ShanmugaSundaram,Prof. &Head,Dr. K. Sedhuraman, Assoc. Prof., /EEE, Mr.S.Rajkumar, Asst. Prof., Mrs.R. Muthunagai, Asst. Prof., Mr.D.Muruganandhan, Asst. Prof.,have attended Five-day online faculty development program on "Recent Trends on Green Energy (RTGE-2020)" 12th - 16th Oct 2020 Organized by the Department of EEE, GMR Institute of Technology, Rajam, AP, India.

Dr.G.Renuka Devi, Assoc. Prof., /EEE has participated & completed successfully Two Weeks Online FDP on "Circuit Simulation Using VHDL Programming and Tinker CAD" from 5th to 16th Oct 2020 at National Institute of Technical Teachers Training and Research-Chennai.

Dr.G.Renuka Devi,Assoc. Prof., has attended 4th Virtual Workshop on Moodle Learning Management System, at IIIT Kurnool June 08th-09th Jun 2020

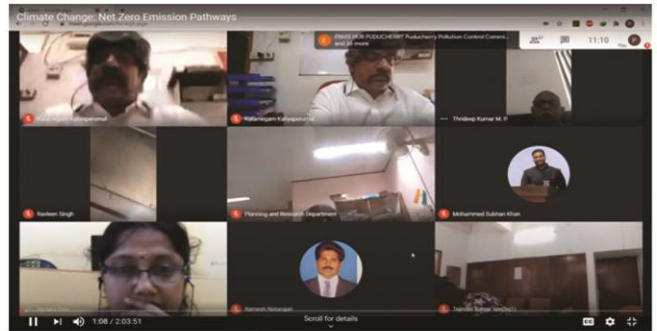
Dr.G.Renuka Devi, Assoc. Prof., has attended FDP on "Recent Trends in Control System Engineering (RETRECSE 2020)" organized by E & ICT Academy, NIT Patna from 22nd Jun 2020 to 28th Jun 2020.

Dr.G.Renuka Devi, Assoc. Prof.,has participated in the National Workshop on "Perspectives and Challenges in Outcome Based Research" from 13th - 17th July 2020, organized by NIT-Tiruchirappalli.

Dr.G.RenukaDevi,Assoc. Prof., has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Blended and Flipped Approach in Teaching and Learning" from 24th to 28th Aug 2020 at National Institute of Technical Teachers Training and Research-Chennai.

Dr.G.RenukaDevi,Assoc. Prof.,/EEE has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Learning Management System" from 21st to 25th Sep 2020 at National Institute of Technical Teachers Training and Research-Chennai.

Dr.G.RenukaDevi,Assoc. Prof., has participated & Successfully completed the Short Term Training Programme through ICT Mode on "Fundamentals of OBE" organized by NITTTR from 31st Aug to 04th Sep 2020.



Dr.G.Renuka Devi,ASSOC. PROF., /EEE has delivered webinar on "Exploring CO2reduction from Renewable Energy Sources" on 21st Sep 2020 organized by Department of Science, Technology & Environment, Puducherry Climate Change Cell.

Mr.D.Balaji, Asst. Prof., has participated & completed successfully AICTE Recognized FDP on "Waste Management" from 8th to 12th June 2020 at National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh.

Mr.D.Balaji, Asst. Prof., has participated & completed successfully AICTE FDP on "Computational Intelligence and Modelling in Modern Power System" from 22nd to 27th June 2020 at Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, Andra Pradesh.

Mr.D.Balaji, Asst. Prof., has participated & completed successfully AICTE-STTP on "Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle charging Station and Energy Management using Internet of Energy" from 20th to 25th July 2020 at KPR Institute of Engineering and Technology, Coimbatore.

Mr.D.Balaji, Asst. Prof., has participated & completed successfully six days online certification course on "Digital Teaching Techniques" from 17th to 24th August 2020 conducted by ICT Academy.

Mr.D.Balaji, Asst. Prof., has participated & completed successfully AICTE Sponsored online STTP on "Machine Learning & Internet of Things (IoT) for Industrial Applications" from 24th to 29th August 2020 at Dr. N.G.P. Institute of Technology, Coimbatore.

Mr.D.Balaji, Asst. Prof., has successfully completed AI Inspired Control, Design and Cyber Security of Converter Based Power Systems online certification course on 25th Sep.2020 Conducted by PDH IEEE, New York.

Mr.D.Balaji, Asst. Prof., has participated & completed successfully AICTE Training and Learning Academy (ATAL) on "Control System & Sensors Technology" from 5th to 9th October 2020 at University Visweswaraya college of Engineering, Bangalore.

Mr.P.L.Santhana Krishnan has attended Faculty Development Program titled "Artificial Intelligence and its applications " from 30th May to 4th June 2020at Ramachandra college of engineering, Eluru.

Mr.P.L.Santhana Krishnan has attended Faculty Development Program titled "Power system engineering and Electric vehicle " from 8th July to 12th July 2020 at B.L.D.E Association &Hallakatti College of Engineering and Technology

Mr.P.L.Santhana Krishnan has attended the 5 days AICTE ATAL Faculty Development Program titled "Electric Vehicles" from 1st to 5th Sept 2020 at Gyan Ganga Institute Of Technology And Sciences , Jabalpur.

Mr.P.L.Santhana Krishnan has attended the 5 days AICTE ATAL Faculty Development Program titled "Energy Storage" from 7th to 11th Sept 2020 at Kallam Haranadha reddy Institute of Technology.

Ms.Priya.R, Asst. Prof., has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom" from 10th to 14th Aug 2020 at SardarVallabhbhai National Institute of Technology Surat

Ms.Priya.R, Asst. Prof., has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom" from 31st to 4th Sep 2020 at National Institute of Technical Teachers Training & Research, Chandigarh.

Ms.Priya.R and P.L.Santhanakrishnan, Asst. Prof., has participated in National Workshop on Innovation and Entrepreneurship acumen in Engineering Education, held during 5th to 9th October 2020 organized by MSME-DI Nagpur and IIIT Nagpur.

Ms.Priya.R, Assistant Professor/EEE has participated in "5-day online FDP on Universal Human Values for DEEKSHARAMBH (Student Induction Program)" organized by NIT Patna during 21st to 25th September 2020.

Ms.Priya.R and P.L.Santhanakrishnan, Asst. Profs., have participated in the Online Training Programme on "Advanced Pedagogy" Conducted by NITTR from 12th October 2020 to 16th October 2020

Ms.Priya.R, Asst. Prof., has participated in the Short term Training program on "Electric Vehicle: Technologies, Challenges and Opportunities for Integration of Renewable Resources in India" organized by R.M.K. Engineering College during 12th to 17th October 2020.

Mr.D.Balaji, Asst. Prof., has Completed online certification Courses 12-TATA STEEL, 03-MATLAB ONRAMP and 4-International Association for chemical safety.

Mr.P.L.Santhanakrishnan, Asst. Prof., has Completed 6 courses in the coursera Portal

Ms.Priya.R, Asst. Prof., has Completed 75 courses in the coursera Portal

Dr.C.Shanmuga Sundaram, has published a paper titled "Influence of Iron Powder Core on The Switched Reluctance Motor Performance Enhancement" in Elsevier 2020- Materials Today : Proceedings, <https://doi.org/10.1016/j.matpr.2020.04.082> and another paper titled "Magnetic Piston Operated Engine" in Proc. IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020), July 2020

G.Renuka Devi, has published paper titled "Performance Investigation of Electrical Power Generation Using Gravitational Force" in Proceeding of IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020 July 2020 and another paper titled "Simulation Study of Cascade H-bridge and Diode Clamped 5-level inverter" International Web Conference on Advances In Science, Engineering and Management (ICASEM - 2020), EGS Pillay Engineering College, Nagapattinam.

K. Sedhuraman, published a papers titled "A New Neural Network based Flux Estimator for Direct Vector Control of Induction Motor Drive" in Willey Publication. Pages: 219-232 Sep. 2020. DOI: 10.1002/9781119682035 ISBN: 978-0-470-82828-1; "Performance Investigation of Smart Integrated Circuit Breaker Using Raspberry Pi and Arduino Controller" Proceedings of IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020) and "V/F Speed Control of Three phase and Five phase induction motor drive: A Comparative Study" Proc. Springer Second International Conference on Advances in Electrical and Computer Technologies 2020 (ICAECT 2020), Coimbatore, Tamil Nadu, India, June 2020

Mr.S.Rajkumar, have published a paper titled "Irrigation And Soil Moisture Detection By Using Augumented Reality" Proceedings of IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020), July 2020.

Mrs. R.Muthunagai, published a paper titled "Classroom Attendance Monitoring Using CCTV" in Proceedings of IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020), July 2020.

Mr. D.Muruganandhan, published a paper titled "Remote Monitoring of Distribution Transformer with Power Theft Detection using PLC & SCADA" in Proceedings of IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020).

Mr.D.Balaji, published a paper titled "Performance Analysis Oof 8/6 Switched Reluctance Generator for Wind Energy System", Proceedings of IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020), July 2020.

Priya.R , published a paper titled "Far-Flung Monitoring & Fortification of Industrial High Tension Motors using IOT Technology" in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(P): 2249-6890; ISSN(E): 2249-8001 Vol. 10, Issue 3, Jun 2020, 6653-6662

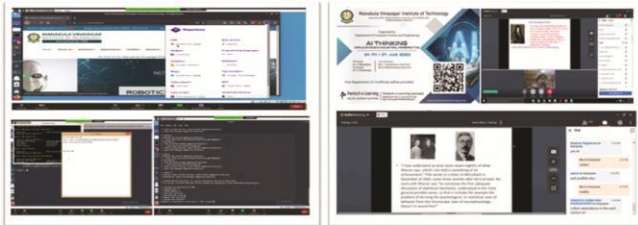
Dr.C.Shanmuga Sundaram, Prof. & Head has delivered a lecture on "Deep Learning Techniques based Unit Commitment in Power System" in TLS-IV on 25th Sep 2020.

Dr.G.Renuka Devi, Assoc.Prof., has delivered a lecture titled "Performance Investigations on Solar Based Grid Tied Inverter" in TLS-IV on 3rd October 2020.

Dr. K. Sedhuraman, Assoc.Prof., has delivered a lecture on "Power Line Smart Harmonic Detector" TLS-IV on 12th October 2020.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Department Activities



CSI sponsored one day online workshop on "Software Testing using Selenium" conducted by Mr. Dhilip Kumar, software analyst. TCS, Chennai for IV year students on 30th July 2020.

CSI sponsored online Webinar on "AI Thinking" conducted by Mr.Jishnu, Project Engineer, Pantec Solutions, Chennai for III year students on 7th August 2020.



CSI sponsored online Webinar on "Security Issues in Internet of Things" conducted by Dr. S.Sujatha, Professor & Head, Anna University – BIT Campus, Trichy for III year students on 11th August 2020.

CSI sponsored online Webinar on "Ethical Hacking and Cyber Security" conducted by Mr.S.Veeraragavel Techfic IT Solution Puducherry for III year students on 17th August 2020.



CSI sponsored online Webinar on "Getting Started with Mindfulness" conducted by Dr.K.Mahalakshmi, Dean –KIIT Department of CSE, Coimbatore for III year students on 1st September 2020.

CSI sponsored One Day online Workshop on JAVA – Redis and Hibernate Basics Conducted by Mr. Vellai varanan, Technical Trainer, Comet Softwares, Chennai. for III year students on 10th September 2020.

The Department organized Webinar on Introduction to Data Science Machine Learning and Python by Praful Patle, Data Science Professional @ Tesco, Bangalore, for II and III Year CSE Students on 18th June 2020.

The Department organized webinar series on various topics to develop the students skill development by various expert resource person on 22nd to 26th June 2020 .



CSI sponsored online Webinar on "Deep learning state of art 2020" conducted by Mrs. Ramisha Rani K Data scientist, AICL Chennai, for III year students on 25th August 2020.

The Department organized Webinar on Introduction to Azure IoT by Mr. Saravanan Ganesan Module Lead IOT, L&T Infotech, Chennai for II and III Year CSE Students on 20th June 2020.

The Department organized Webinar on DART Programming Language conducted by Braino Vision Pvt,Ltd, Hyderabad,for II and III Year CSE Students on 27th July 2020.

The Department organized Webinar on Workshop on "software Testing using selenium by Dhilip Kumar, software analyst. TCS, Chennai ,for II and III Year CSE Students on 30th July 2020.

The Department organized Webinar on Machine Learning & Deep Learning by Mr.Ahamed IIM-Bangalore Alumini Vice-President Imarticus Learning, Puducherry,for II and III Year CSE Students on 09th September 2020.

The Department organized Five FDP on "Artificial Intelligence using Python " by Intisar Mehdi Corporate Trainer- IBM, Verizon etc, Chennai. For all department Faculties on 14th to 19th September 2020.

The Department organized IIRS Outreach Programme on various topics conducted by various IIRS/IRSO Scientist for Faculties and students on various dates.

Staff Activities

Mr.R.RajBharath, Mrs.I.Varalakshmi, Mr.D.Lubin Bala subramanian, Mr.R.Sathish Kumar, Mr.A.Sankaran, Mrs.V.Selvi and Mrs. R.Indumathi, Asst. Profs., have attended five days workshop on "Research Applications in Artificial Intelligence and Machine Learning" conducted at "Velagapudi Ramakrishna Siddhartha Engineering College" on 15th to 20th June 2020.

Mrs.I.Varalakshmi, Mrs.V.Selvi and Mr.D.Lubin Balasubramanian, Asst Profs., have attended six days workshop on "Modern IoT Technology Tools and Design for "Real time Application" conducted at "Sri Ram Institute of Technology" on 03rd to 09th June 2020.

Dr.N.Poonguzhali, Assoc. Prof., has attended Five days FDP on "Blockchain and its Applications" organized GMR Institute of Technology on 10th to 15th June 2020.

Mrs.I.Varalakshmi, Mrs.V.Selvi, Mrs.R.Indumathi has attended a four days workshop on "IoT and Machine Learning" conducted at "G Pulla Reddy Engineering college, Kurnool" on 26th to 30th June 2020.

Mrs.I.Varalakshmi and Mrs.R.Saranaya, Asst. Profs., attended a eight days workshop on "Learning management system & E-content development tools" conducted at "Hindusthan college of arts and science, tamilnadu" on 1st July 2020 to 8th July 2020.

Mrs.V.Selvi, Mr.D.Lubin Balasubramanian, Mrs.I.Varalakshmi and Mrs.R.Indumathi, Asst. Profs., has attended a three days workshop on "Recent Technologies in Cloud Computing and IoT" conducted at "SRM Institute of Science and Technology, Chennai" on 8th July 2020 to 11th July 2020.

Dr.N.Poonguzhali, Assoc., Prof., has attended Twelve days STTP on "Deep Learning in Image and computer Vision" conducted by AICTE STTP SKCT from 28th October 2020 to 10th October 2020.

Dr.N.Poonguzhali, Assoc. Prof., has attended eight days FDP on "Online Educational Resources For Effective Remote Teaching" conducted by Pondicherry University from 10th August 2020 to 17th August 2020.

Mrs.I.Varalakshmi and Mrs.R.Saranya, Asst. Prof., have attended a five days workshop on "AICTE-AQIS sponsored "Recent Trends in IoT and IIoT for Real world applications through LoRa and LoRaWAN" conducted at "Bannari Amman Institute of Technology" on 16th November 2020 to 21st November 2020.

Dr.N.Palanivel, Assoc. Prof., Mrs.I.Varalakshmi and Mr.D. Lubin Balasubramanian has attended a five days workshop on "AICTE-ISTE sponsored Internet of Things Applications" conducted at "Abha Gaikwad-Patil College of Engineering, Nagpur" on 2nd November 2020 to 7th November 2020.

Mrs.I.Varalakshmi, Asst. Prof., attended a Sixteen days workshop on "AICTE sponsored "Applications of Augmented Reality (AR) & Virtual Reality(VR) using MATLAB" conducted at "IFET College of Engineering, Villupuram" on 16th October 2020 to 2nd November 2020.

Mrs.V.Selvi and Mrs.R.Indumathi, Asst.Profs., have attended a four days workshop on "Health GIS: Geoinformatic for COVID'19" conducted at "IIRS" on 15th June 2020 to 19th June 2020.

Mr.D.Lubin Balasubramanian, Mrs.V.Selvi and Mrs.R. Indumathi, Asst. Profs., attended a thirteen days workshop on "AICTE sponsored on "Ideas and Innovation in Block Chain Architecture Technology and its Research Applications" conducted at "Syed ammal Engineering College" on 16th November 2020 to 29th November 2020.

Mrs.V.Selvi and Mrs.R.Indumathi, Asst. Profs., attended a two days workshop on "Research Application in Artificial Intelligence and Machine Learning" conducted at "Vikas College of Engineering and Technology Vijayavada" on 15th June 2020 to 17th June 2020.

Mrs.V.Selvi and Mrs.R.Indumathi, Asst. Profs., attended a five days workshop on "PHP MySql" conducted at "Association with Spoken Tutorial Team Organised by Syed Ammal Engineering college" on 29th June 2020 to 4th July 2020.

Mrs.V.Selvi and Mrs.R.Indumathi, Asst Profs., attended a four days workshop on "Cyber Security" conducted at "Lakireddy Bali Reddy College of Engineering Andra Pradesh" on 26th to 30th June -2020.

Mr.D.Lubin Balasubramanian, Mrs.V.Selvi and Mrs.R. Indumathi, Asst. Profs., attended a four days workshop on "Exposure and Rejuvenation of Technologies in changed era of the world" conducted at "Rajkumar Goel Institute of Technology Uthra Pradesh" on 6th to 10th July 2020.

Mrs.V.Selvi and Mrs.R.Indumathi, Asst, Profs., attended a four days workshop on "Blockchain Technology and Cyber Security" conducted at "Vikas group of Institution in association with TRYLOGIC" on 9th to 12th July 2020.

Mrs.V.Selvi and Mrs.R.Indumathi, Asst, Profs., attended a four days workshop on "Image Processing and Data Science with MATLAB" conducted at "Government College of Engineering Aurangabad (TEQIP-III)" on 7th to 11th July 2020.

Mr.D.Lubin Balasubramanian, Mrs.V.Selvi and Mrs.R. Indumathi, Asst, Profs., attended a five days workshop on "Cyber attacks and Digital forensics" conducted at Mahatma Gandhi Institute of Technology in Association with Indian Servers on 20th to 24th July 2020.

Mr.P.Sathiyarayanan, Asst. Prof., attended a five days workshop on "Internet of Things and its Applications [Phase-II]" conducted at "SRM Valliammai Engineering College" on 16th to 21nd June 2020.

Mr.A.Sankaran, Asst. Prof., attended a Four days workshop on "Advanced Data Science and its Applications" conducted at "BVRIT HYDERABAD College of Engineering for Women" on 22nd to 26th June 2020.

Mr.A.Sankaran, Asst. Prof., attended a five days workshop on "IOT & Its Applications in Industry" conducted at "Ramrao ADIK Institute Of Technology" on 8th to 12th June 2020.

Mr.A.Sankaran, Asst. Prof., attended a six days workshop on "Blockchain" conducted at "ATAL" on 20th to 25th June 2020.

Dr.N.Palanivel, Mr.R.Sathish Kumar, Mr.S.Ashok kumar, Mrs.V.Selvi and Mr.R.Sathish Kumar, Asst. Profs., attended a six days workshop on "Digital Marketing" conducted at "ICT Academy, chennai" on 15th to 20th June 2020.

Mrs.R.Saranya, Asst Prof., has attended two days FDP on "Tips for clearing Patent agent examination" organized by Velammal Engineering College on 06th and 07th June 2020.

Mrs.R.Saranya, Asst, Prof., has attended three days FDP on "Machine Learning using Python" organized by S.I.A College of Higher Education on 23rd to 25th June 2020.

All CSE faculty members have attended ATAL FDP on "Emerging thrust areas(Cyber Security, AI, Machine learning, Block chain, Robotics)" from June to November 2020.

All CSE faculty members has attended ATAL FDP on “Emerging thrust areas(Cyber Security, AI, Machine learning, Block chain, Robotics)” from June to November 2020.

Dr. N. Palanivel, Assoc. Prof., has published the paper titled “Recommendation System Based Smart Shopping Cart ” in Journal of Emerging Technologies and Innovative Research on June 2020

Varalakshmi.I, Asst. Prof., has published the paper titled “Detection of abnormal activities using Diffusion convolutional algorithm- Recurrent Neural Networks” in International Journal of Management Technology and Engineering(IJMTE) on June 2020

Varalakshmi. , Asst. Profs., I has published the paper titled “Smartpay – Unified Payment System using NFC” International Research Journal of Engineering and Technology (IRJET) on October 2020

R.Raj Bharath, Asst, Profs., has published the paper titled “Partial Face Recognition Using Dynamic Feature Matching And CNN” and “Text Detection and Recognition in Multiscript” in Journal of Emerging Technologies and Innovative Research (JETIR) on July 2020

P.Anandajayam, Asst, Profs., has published the paper titled “Brain Tumor Segmentation using Fully Connected Convolutional Neural Network (FCNN)” in International Research Journal of Engineering and Technology (IRJET) on Oct 2020

R. Sathish kumar, Asst, Profs., has published the paper titled “Stock Price Prediction Using Deep Learning and Sentimental Analysis” in Journal of Emerging Technologies and Innovative Research (JETIR) on June 2020.

D Lubin Balasubramanian, Asst, Profs., has published the paper titled “Study on Evolutionary Approaches for Improving the Energy Efficiency of Wireless Sensor Networks Applications” in European Union Digital Library on Oct2020

D Lubin Balasubramanian, Asst, Profs., has published the paper titled “Binary Monkey-King Evolutionary Algorithm for single objective target based WSN” in European Union Digital Library on July 2020

Mr.S.Ashok Kumar,Mrs.R.Indumathi and Mrs.V.Selvi , Asst, Profs., has published the paper titled “Jammer to detect and avoid hidden camera using EMP waves” in Solid State Technology on November 2020

Mr.S.Ashok Kumar, Asst, Prof., has published the paper titled “Preserving Android User Privacy by detecting Malicious Applications” in Journal of Emerging Technologies and Innovative Research on September 2020

Mr.S.Ashok Kumar , Asst, Prof., has published the paper titled “Automatic Patch Generation System Using Deep Learning Techniques” in Journal of Emerging Technologies and Innovative Research on September 2020.

Mr.A.Sankaran, Asst, Prof.,has published the paper titled “Botnet Detection Using Machine Learning” in International Research Journal of Engineering and Technology (IRJET) on July 2020.

Dr.S.Pariselvam, Prof. & Head, has presented a paper entitled as “Seizure Detection Using Novel Wrist-Worn Biosensor” in International Conference ICSCAN’20 on 3rd and 4th July 2020.

Dr.S.Pariselvam Prof. & Head, has presented a paper entitled as “An Interaction System Using Speech And Gesture” in International Conference ICSCAN’20 on 3rd and 4th July 2020.

Mrs.I.Varalakshmi, Asst, Profs., has presented a paper entitled as “Performance analysis of various machine learning algorithm for fall detection- A survey” in International Conference ICSCAN’20 on 3rd and 4th July 2020.

Mrs.D.Mohanapriya, Asst, Profs., has presented a paper entitled as “A Real Time Support system to Impart Medicine using Smart Dispenser” in International Conference ICSCAN’20 on 3rd and 4th July 2020.

Dr. N. Palanivel, Assoc. Prof., has presented a paper entitled as “Automatic Number Plate Detection in Vehicles using Faster R-CNN” in International Conference ICSCAN’20 on 3rd and 4th July 2020.

Mrs.R.Saranya, Asst, Profs., has presented a paper entitled as “Computer vision on identifying person under real time surveillance using IoT” in International Conference ICSCAN’20 on 3rd and 4th July 2020.

Dr.N. Poonguzhali Assoc. Prof., has presented a paper entitled as “A Framework For Electronic Health Record Using Blockchain Technology” in International Conference ICSCAN’20 on 3rd and 4th July 2020.

Dr.N. Poonguzhali Assoc. Prof., has presented a paper entitled as “Prediction of Breast Cancer Using Electronic Health Record” in International Conference ICSCAN’20 on 3rd and 4th July 2020.

Dr.N.Palanivel published a patent on “Automatic Detection and Notification of Potholes and Hump to the aid Drivers” , during the month of October 2020

Mrs.I.Varalakshmi published a patent on “Smart Bin Monitoring System using Internet of Things”, during the month of October 2020

Mrs.D.Mohanapriya published a patent on “IoT Based Automation of Electricity Consumption in Smart Homes” , during the month of October 2020

Mr.R.SathishKumar published a patent on “Head Gesture And Voice Controlled Intelligent Wheel Chair System”, during the month of October 2020

Mr.A.Sankaran published a patent on “Venflon and Iv Set Monitoring”, during the month of October 2020

Mr.A.Sankaran published a patent on “Case To Preserve Water From unwanted usage”, during the month of November 2020.

Student Activities

Srikanth,Vishvapriya D, Mohammed Saleem, Balakumaran Ramu,J G Sri Balaji,Yogeshwaran, Pavithra M, Sahana Ashok of Second Year have completed NPTEL Certification Course, duration of Eight week Course.

DEPARTMENT OF MANAGEMENT STUDIES

Staff Activities

Dr. Baskaran, Prof. & Head, participated in Three days Virtual Workshop on "Reference Management Tools and online citation database" from 19th to 21st April 2020.

Dr. P. Baskaran, Prof. & Head, published a paper entitled "A critical comparison between diffusion of innovation theory and Capacity Maturity Model with relevance to technology management, in Junit Khyat, UGC Listed Journal, ISSN: 2278-4632, Vol-10 Issue-6, during the month of June 2020.

Dr. P. Baskaran, Prof. & Head, successfully completed successfully AICTE Training and Learning (ATAL) Academy's Online Faculty Development Programme on "Digital Marketing" & "Design thinking", from 2nd to 6th October & from 8th to 12th November 2020.

Mr.S.Vaidheeswaran, Assoc. Prof., participated in One Week Faculty Development Programme on "Entrepreneurship, Research, Critical thinking and Innovation, organized by IARA from 22nd to 28th April 2020.

Mr.S.Vaidheeswaran, Assoc. Prof., participated in Five Days Faculty Development Programme on "Evolution from Offline to Online Teaching", organized by Satish Pradhan Dnyanasadhana College, Thane, from 30th April to 3rd May 2020.

Mr. S. Vaidheeswaran, Assoc. Prof., successfully completed successfully AICTE Training and Learning (ATAL) Academy's Online Faculty Development Programme on "Strategy" & "Digital Marketing" from 21st September 2020 & from 10th to 14th October 2020.

Mr. Baig Mansur Ibrahim, Asst. Prof., participated in Three Days virtual workshop on "Reference Management Tools & online Citation database organized by IARA from 19th to 21st April 2020.

Mr. Baig Mansur Ibrahim has attended five days Online course on "Futuristic Accounting" organized by IARA from 11th May to 15th May 2020.

Mr. C. Arun & Ms. G. Manoja, Asst. Prof., published a paper entitled "A study on the employees attitude towards organizational culture" International journal of scientific research in engineering and management, during the month of July 2020.

Mr. C. Aurn, & Ms. G. Agalya, Asst. Profs. Published a Paper entitled "A study on Impact of Employee Morale on Productivity of Employees in International Journal of Creative Research Thoughts ISSN No2320 - 2882,

Mrs. G. Agalya has attended Ten days Faculty Development Programme on "Effective Research Methodology" Organized by TamilNadu Open University from 03rd to 12th June 2020.

Mrs. G. Agalya has attended Five days EDP on "Changing Business Strategies Post COVID-19 from 26th to 30th June 2020.

Mrs. G. Agalya, Mr. C. Arun & Ms. G. Manoja, Asst. Profs., successfully completed successfully AICTE Training and Learning (ATAL) Academy's Online Faculty Development Programme on "Organizational Behavior" & "Rural Entrepreneurship" from 21st to 25th September and from 23rd to 27th November 2020.

Ms. G. Manoja & Mr. Baig Mansur Ibrahim, Asst. Prof., published a conceptual paper on "Gender Sensitivity – Perceiving Egalitarian", in Purkala, UGC listed Journal, ISSN: 0971-2143 Vol-31-Issue-08 during the month of June 2020.

Ms. G Manoja & Ms. G. Agalya, Asst. Profs., published a paper on "Medical Tourism in India – a Potential and Viable Source of Service for the Economic Growth", in Dogo Ransang UGC listed Journal, ISSN- 23477180 , Vol-10- Issue, during the month of June 2020.

Department Activities

The National Level Virtual Faculty Development Programme "Factor Analysis and Cluster Analysis in SPSS" was organized by the Department on 10th August 2020.

The Department signed MOU with Indian Academic Research Association, Trichy on 3rd September 2020.

The MOU with London School of Digital Business was signed by the Department on 17th September 2020.



The Department organized a Webinar on "Buying Behavior during PostCovid 19" by the Presence of Ms.V.Darshni Andal, Senior Sales Executive, Infinite Software solutions Pvt.Ltd on 16th July 2020.

A webinar on the title "Managing Investment during COVID-19" by the presence of Mr.Sriram BKR, Product ,Assistant General Manager ,Geojit Financial Services Limited was organized, on 18th July 2020.



A webinar on the title "Creativity and Innovation in Change Management" by Dr. RAD. Martin Dhinakaran, Managing Director, Jehovah Nissi Learning Inc, Salem was orgnized on 26th June 2020.

The Department organized a webinar on the title “Create Your Destiny” Dr.T.Poorani, Happiness and Success Coach, HAS Academy on 24th June 2020.



The Department organized a Alumni Connect Student webinar on the title “Recent Trends In Job Market” by Mr. Eugene Frederick .X Associate Business Analyst, Excelacom Technologies, Chennai on 27th July 2020.

Department organized a Alumni connect student webinar on the title “Importance of Market Research Projects” by Mr. Ragavendiran, Operations Head,Krea e knowledge Pvt.ltd, Chennai through Zoom online Platform on 17th July 2020.

International Webinar on the title “Digital Marketing “in collaboration with London School of Digital Business was organized by the Department on 30th September 2020.

A webinar on the title “Career Beyond India” by the presence of Mr. S.Sudhakar,Overseas Education Consultant Chennai was organized on 14th August 2020.

Student Activities

Seven Students of Final Year completed 5 days Online Course on “Soft Skill”, organized by the International Journal of Advanced study and Research Work, from 27th April to 1st March 2020.

Four Students of Final Year, participated Virtual Power Seminar on “Employability Skills”, organized by ICT Academy, on 7th May 2020.

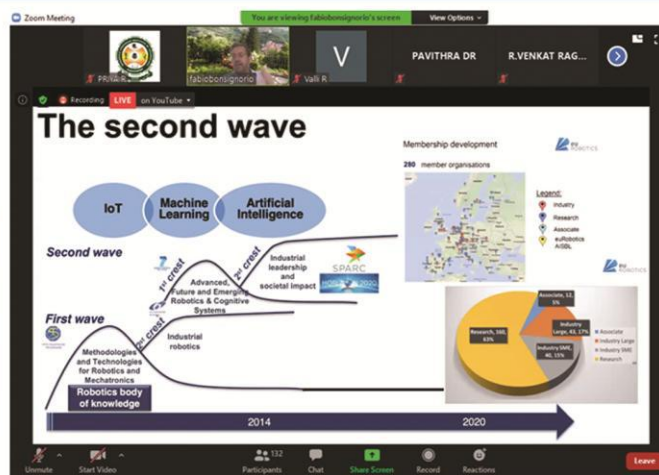
The Final year Students completed Online Course on “Social Distancing through Digital Learning”, organized by by Thakur college of Science & Commerce,Mumbai 10th May 2020.

Thirteen Students of Final Year, attended the Webinar on “Economic Impact of COVID'19 on the Industry and Jobs”, organized by Madaras Management Association, on 20th May 2020.

RESEARCH AND DEVELOPMENT CELL

International Conference on Systems, Computation, Automation and Networking (ICSCAN – 2020) on 3rd & 4th July 2020

Three days Faculty Development Program titled “Art of Writing Research Articles and Funding Proposals” on 18th to 21st May 2020 .



International webinar “ELITE - 2020 (Enhanced Learning Initiative for Technical Excellence)” from 08th to 14th July 2020.

One day workshop titled “IPR AND PATENT DRAFTING - A PRIME CONCERN FOR ACADEMIA” 26th June 2020.



R&D Cell organized Seminar Titled “Recent advances in Image Processing Techniques for Rheumatoid Arthritis Research and Clinical Issues”



The Entrepreneurship Development Cell of Manakula Vinayagar Institute of Technology organized Online Interaction on Rural Entrepreneurship Development in Collaboration with MGNCRE, on 16th October at 9 am

TRAINING & PLACEMENT CELL

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TATA
TATA CONSULTANCY SERVICES
TCS
Placed Students
2021 Batch



SELVAPRABHU TCS Digital offer ECE | AMUDHA R TCS Digital offer IT | THASBEETHA THASLEEN S TCS CODE VITA ECE | MOHAMMED SIDDIQ A TCS CODE VITA CSE | NITHESH KUMAR M TCS CODE VITA CSE | BALAGANAPATHY S ECE | ANANDAMOZHI S MECH | ARUN S ECE | BHARATH R ECE | BHAVATHARANI N CSE



DHANUSH H EEE | ESAISELVAM M ECE | GAYYA M ECE | HEMALATHA S EEE | JASMIN NABISHA A CSE | JULIEN MARY ECE | KANMANI V ECE | MOHAMED J ECE | MURALITHARAN K ECE | NALINI K ECE | PADMANABAN J CSE | PRAVIN P ECE



RAMSUGUMAR R IT | RAMYA T CSE | RASHMI C CSE | RESHMA G CSE | RINA P EEE | SASI R CSE | SOWNDHARYA S CSE | SUNDAR S CSE | VINOTHA A ECE | YOGANANDHAN M IT | YUVASRI D EEE

MIT'ians in TCS Crossed **500+** Placements With this Batch (2021) in TCS



**2019-20 Batch : 436 Placements
with 136 offers**

2020- 21 BATCH



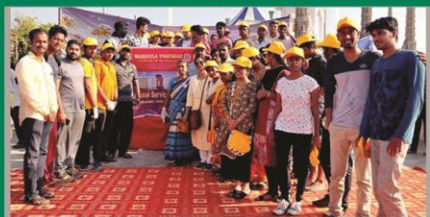
Campus Recruitment Continues for the 2020-21 Batch.

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Empower

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NATIONAL SERVICE SCHEME



Gandhi Jayanthi



Jal shakthi Abiyan 1



Jal shakthi Abiyan 2



Blood Donation 1



Blood Donation 2



Wall Painting



International Yoga Day



Tree Plantation



Women's Health Awareness

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